

QUA·RAE

QUA - Here is news of * * * RAE - Radio Association of Erie

Issue No. 2

September, 1969

EDITOR - K3AFO, John A. Yokoff, P.O. Box 183, Erie, Pa. 16512
868-2220 - Evenings, Weekends and Holidays
871-2388 - Weekdays 8:00 a.m. to 5:00 p.m.

ASSISTANT EDITORS - W3BRB, John Gebler, RD #4, Waterford Pike Rd.
Erie, Pa. - 868-1217

- K3HSM, Charles E. McCoy, 2103 W. 32 St., Erie, Pa.
864-8030

- WA3GSH, Barry H. Capell, 1720½ W. 26 St., Erie, Pa.
455-0034

Material for our next issue must reach your editor no later than September 24, 1969. All news contributions are welcomed by the QUA-RAE.

QUA-RAE - September Features

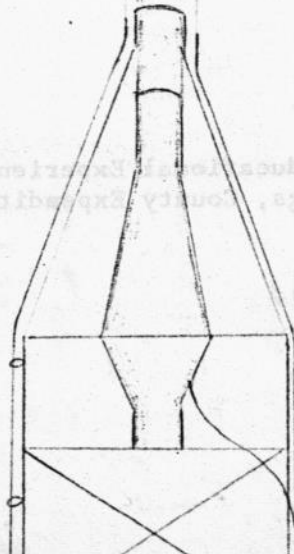
1. Fold Out of the Month
2. Ham of the Month
3. R.A.E. Minutes
4. 40 Meters
5. 10 Meters
6. V.H.F.
7. Propagation
8. Transmitter Hunt, an Educational Experience
9. Activities (RAE Meetings, County Expedition, WML and Hamfest)
10. McDowell Field Day
11. DXing
12. SSB (Sale, Swap or Buy)
13. Strays
14. Summing it Up

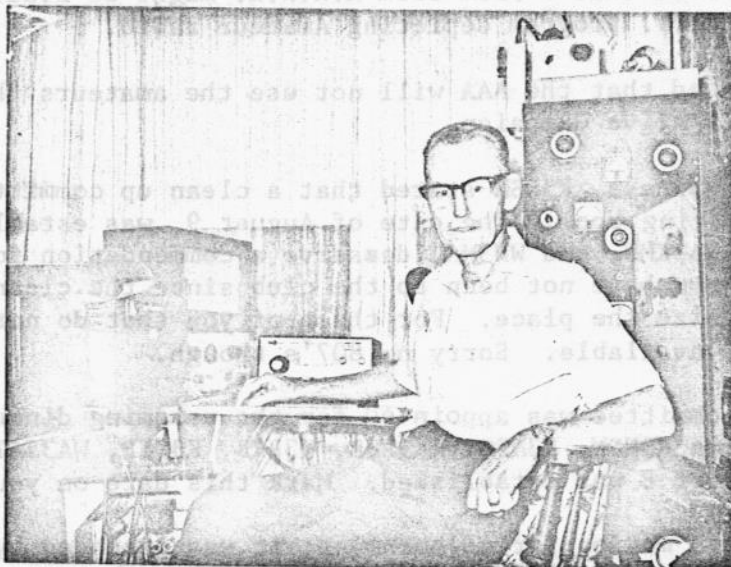
Fold Out of
the Month...

A^{ee} STACKED ARRAY^{ed}

Statistics
20-10-15

DE W3BRB
AND
HEIDI SMITH





Doc Baxter

Our first Ham of the Month, Stan better known as Doc Baxter, is well known to area hams. Doc was first licensed in 1954, which makes him one of the "old timers" in this area. Although ten meters is his favorite band, he is also active on 75 and 6 meters. On 75, Doc runs a Duo-Bander and on 10, a Viking Ranger and a 75-A2. He is not a contest or DX man but enjoys field days and can always be heard on the transmitter hunts. Doc did pretty well last hunt. He was one of the first arrivals.

One of Doc's sons, Jim, is also a licensed ham. His call is W3YWM but he is not too active according to Doc. The Baxter QTH is located in Girard, Pa. Anyone traveling through will notice his antenna farm in the side yard. We at QUA-RAE congratulate Doc, W3YWL.

R.A.E. Minutes - de W3BRB

Meeting of August 7, 1969

The meeting was called to order at 8:09 by K3VLP. The minutes of the July 17 meeting were read and approved. The treasurers report was then given by WN3MAU. He reported a balance of \$427.12.

Under old business K3AFO gave a status report on the newsletter. WA3GSH made a motion that the club give the newsletter committee \$25.00 per month for mailing expenses. WA3FFD seconded the motion. Motion Carried.

(Minutes - cont'd.)

WA3FFD reported that a film from A.R.R.L. might be available for use on the WQLN T.V. program depicting Amateur radio.

K3VLP reported that the AAA will not use the amateurs this year in Bring EM Back Alive Campaign.

Under new business, K3HSM stated that a clean up committee was needed to clean the meeting room. The date of August 9, was established. K3VLP, K3HSM, WA3HSR, WA3KMF, and WN3MAU deserve a commendation for a job well done. If you have not been to the club since the clean up you would not recognize the place. For those of you that do not like coffee, soft drinks are available. Sorry no 807's though.

A Hamfest committee was appointed for the upcoming dinner. It consists of Chairman K3HSM, K3AFO, WA3HSR, W3BRB, K3QIP, WA3JAT, and K3VLP. A date of November 8 was established. Mark this date on your calender.

WA3FFD made a motion for adjournment; it was seconded by WA3GSH and carried.

Meeting of August 21, 1969

The meeting was called to order at 8:15 by K3VLP. The minutes of the August 7 meeting were read and approved. There was no treasurers report.

Under old business, K3AFO gave a status report on the newsletter. He reported that \$7.80 was used for postage in mailing out the August Issue. John also reported than an addressograph had been donated to the club for use in addressing the newsletter. The machine was donated by the Erie Philharmonic Society. This machine should speed mailing considerably. Through efforts of Barry WA3GSH and Chuck K3HSM, General Electric will assist in the production of this newsletter.

The truck and property committee report was given by WA3GIV. Fred reported that Ant. work was needed at the E.O.C. Fred also reported that the TR-4 was back in working order.

Hamfest committee report was given by K3HSM and WA3HSR. It was reported that letters requesting door prizes were ready to be mailed out. K3HSM reported that a contest will be conducted prior to the Hamfest. It will be called the Worked Most Locals award. More information on the contest will be found elsewhere in this newsletter.

WA3FFD reported that the film from the A.R.R.L. might not be available for the T.V. program over WQLN.

Those of you that may have to renew your license -- the F.C.C. now requires a new form number 610-B. Your secretary will have some of these forms in the near future if you need one.

(Minutes cont'd.)

Under new business, K3VLP reported than an expedition to Forrest County was being planned. If you need this county, contact George, K3VLP.

WA3GSH made a motion that a committee be set up to plan and regulate club operating activities. It was seconded by W3YWL and carried. This committee will consist of WA3GIV, K3UPC, W3PIX and K3AFO.

W3YWL made a suggestion that the Red Cross station be activated to talk in the mobiles on meeting nights.

It is hoped that in the near future the second club meeting of the month be used as an activities meeting and the first meeting of the month used for business. Some upcoming activities planned are a panel discussion and a talk on lasers.

WA3HDK made a motion that the club secretary write the F.C.C. stating that the R.A.E. is in favor of allowing Techs. to use the top portion of ten meters. W3HLM seconded the motion. Motion Carried.

Bart Geer W3SN reported that the code and theory classes will start at the YMCA on September 11, 1969 (Downtown YMCA).

WA3GIV made a motion for adjournment and it was seconded by the ENTIRE back row. The motion carried.

Well, that's it for this month. I would again like to invite all interested persons to attend the R.A.E. meetings the first and third Thursdays of each month at the Red Cross Building at 6th and Sassafrass. Remember, the club is only as good as the members are willing to make it.

73's John W3BRB

40 Meters de K3HSM

Since the last newsletter, discussions with several of the guys indicate that there will be more 40 meter activity in the coming months. There was even an inkling that one of the 6 meter boys might occasionally appear on 40.

Right now K3HSM is at a disadvantage for writing about current band activity because in order to make contacts one must first be on the air. Since the first newsletter, yours truly has changed QTH's and is very definitely not on the air, (Slight credibility gap). The first problem to be faced after rearranging and getting settled in the shack is putting up an antenna. A half wave dipole for 40 is approximately 65 ft. long and as you know, this length starts to become cumbersome to place at the average QTH.

Over the last several years, I have collected a variety of articles for unusual antennas that can be used on the lower frequencies. Of the varieties I have tried, two showed the most promise. One is the

(40 Meters - cont'd)

G4ZU "birdcage" and the other is the "conical monopole" which is popular with the Military. Both of these antennas have good gain and are surprisingly compact for 40 meter operation. The "birdcage" can provide about 8 db gain and 12 db front to back with virtually non-existent side lobes, whereas the "conical" provides approximately 3 db gain and yet is omni-directional. Instead of describing the above antennas further, it would be better for those who are interested in more detail to contact me.

For the most conventional type of antenna, such as the dipole or windom, the best thing is to get it as high as possible above surrounding objects to a maximum height of about 1/2 wavelength.

Well -- for those interested, the previously mentioned antenna articles are available and ooo there is still plenty of DX activity around 7.090 MHZ and ooo K3HSM had better get Hopping with the Signal Making --- 73.

A T T E N T I O N ! The new official Radio Association of Erie mailing address is:

Radio Association of Erie
P.O. Box 844
Erie, Pa. 16512

Definition of TVIThe initials for television interference. Any radiation which distorts or blots out a television program (except commercials) falls into this category. Has converted hundreds of hams to model trains or ancient Babylon basket weaving (from W7RGL).

10 Meters de K3AFO

1. Transmitter Hunt held the 3rd Sunday of every month at 1900 on 29.150. (See xmtr hunt article in this month's issue).
2. Good news for the Technicians there's talk of the FCC possibly giving 29.5 to 29.7 for operation by the Technicians (keep your fingers crossed).
3. Australis - Oscar 5 will operate weekends on 10 meters on 29,450KC. Transmitter will be 250 Milli watt. This is the first satellite to operate on 10 meters. See August QST or CQ for details on tracking etc. It will employ an eight channel telemetry system. Report forms, calibration curves, and instructions for their use can be obtained free of charge for Erie Area hams by sending a self-addressed, stamped envelope (indicate the number of forms desired) to:

AMSAT
P.O. Box 27
Washington, D.C. 20044

(10 Meters - cont'd.)

Australis - Oscar 5 will be launched into space by a NASA vehicle early this fall. It is a 35 lb rectangular satellite (17 x 12 x 6 inches) and can also be monitored on two meters (144, 050 KC). It will operate about two months (battery life). A 17 foot dipole will be used on 10 meters. On the near overhead passes, the satellites signals may be heard for as long as twenty minutes. W1AW will transmit up-to-date orbit information. Any good communication receiver should be adequate to receive the satellites ten meter signals. Australis - Oscar 5 will permit observations to be made for the first time of a ten meter signal source above the ionosphere. All reports of Australis - Oscar 5 reception will be verified 100% with a distinctive QSL card -- Let's get that 10 meter equipment ready fellows!

On the VHF Bands de WA3GSH

It seems that the Perseids meteor shower of August 9 - 14, 1969 produced some rather sizeable openings this month on the 2 - meter band. While on 6 - meters during the 14th of this month I talked with WA3BBV and K3UIK concerning 2 - meter activity. BBV indicated that he was hearing stations in the Cleveland area on the nite of 8-13-69. He heard W8BDK & W8QRB working AM on stations in Michigan, Illinois, Canada and Greenville, Pa. This is the kind of activity we wait for. It pays to watch these bands during periods of meteor activity. We hope that we will enjoy more openings of this kind.

Shortly after the close of the Perseids shower this month, there was some activity on 6 - meters. During the evening of 8-18-69 Lou Radaker, WA3DPI, worked a Georgia station on 6 - meters. Lou was quite pleased with this contact since he had just replaced some tubes in his LaFayette HA-460 and was concerned about the performance of the rig. I shouldn't wonder that he would be happy with the Georgia contact. Lou also reports that there is at least one Buffalo, N.Y. station on 6 - meters that occasionally calls CQ and is heard in Erie area. It would be to our advantage to look for these stations and encourage this activity. I don't think that we are too well known in the Buffalo area for our 6 - meter activity. As it becomes obvious that we have operators in this area who are anxious to contact these stations from Buffalo & Cleveland, we should be able to bolster over-all 6 - meter activity in the area. Let's all keep this in mind and answer any of these stations when we are able to.

For those of you who aren't aware of it there is a new call on the 6 - meter band in the city. The General Electric's Erie Plant has recently established an emergency communications facility. The station is licensed under the call WA3MOP and is presently equipped to operate on the 6 - meter band. Station equipment includes a 5 - element beam and a half-wave ground-plane being excited by a LaFayette HA-460 transceiver. Location is very favorable since the antennas are mounted approximately 100 feet in the air. Early tests of the station indicate good performance. WA3MOP can be heard quite often in the morning hours during weekdays; especially just prior to noon.

With the summer at hand, activity on the 6 - meter net has been a bit low. We hope that with fall approaching attendance will pick up. For those newcomers in the crowd, or for the benefit of those of you who just plain don't know, the Tri-State Emergency Net meets weekly on 50.52 Mc. Net time is Sunday nite at 9:00 PM. Those 10 - meter enthusiasts in the crowd can make both the Lake Erie Emergency Net schedule at 8:00 PM and the Tri-State Net with little difficulty. Take time to blow the dust off your rigs and check into the Sunday nite net sessions. Your support is needed in order to ensure the success of these ventures.

September VHF QSO Party is at hand once again. This year's contest will be on September 13 to 15. Starting time is 1900 GMT on September 13, and the contest closes at 0600 on September 15. For complete rules, see Pg. 59 of August QST. I hope this time we can expect to hear some Western Pa. Activity. I worked K3HKK/3 (Nittany Amateur Radio Club of State College, Pa.) during June VHF Contest. We set up in the Pocono Mountains in Eastern Pa. Section. During the entire contest we failed to hear one W.Pa Station. This was odd since the 6-Meter Band was open for varying distances throughout the contest. We hope that this situation will not prevail during this contest. Let's put W.Pa. on the map for VHF.

A new development in the VHF repeater area has occurred with the origination of a column in August QST concerning VHF repeaters. Hopefully, this will serve to keep us abreast of the current trends in repeater activity. There is mention that more information concerning repeaters may be forthcoming. This would certainly be welcome.

That's the scoop for this month. Anyone having any VHF operating news can contact me directly concerning these topics. I would appreciate hearing from you. Until then, see you next month.

Propagation de K3AFO

1. The "Perseids" (major meteor shower) bombarded the earth August 9 to 14 (peak at 0200 on August 12). The ionization trails from these meteorites produced propagation for many Erie locals on 10, 6 and 2 meters, (from a few minutes up to 15 - 20 minutes). Many exciting QSO's with good signal levels were reported by Erie hams.
2. We are now in the transitional period with many exciting changes occurring during the beginning of this month. Ten meters should pop wide open during the middle of September and by the end of the month WAC should be a daily occurrence. Africans and spotty openings to Europe will be possible in early September on 10 meters. 15 meters will be the #1 DX band during the daylight hours with 10 meters taking over as #1 in October. Look for 6 meter openings to central and south America from 2000 to 2300 (local time) during early September with possible European and African openings in October (ZS3E, South West Africa, was heard well on six meters during October 1968). The 40 meter band should improve with a decrease in QRN and 80 meters will be at its peak during sunrise.
3. There is no definite confirmation at this writing exactly when sunspot cycle #11 hit its peak. However, it has been reported that May 1969 produced the highest sunspot count for May since the peak in Cycle #10. Conditions on 10 meters should equal or better those conditions experienced during last year. Propagation experts state that this present sunspot cycle may experience two peaks instead of one pronounced peak.

Transmitter Hunt an Educational Experience de WA3GSH

On Sunday, August 17, 1969 the local 10 and 6 - meter boys held another successful transmitter hunt. John Gebler, W3BRB (Best Radio Broadcaster), located the 10 - meter transmitter during the previous transmitter hunt and so had the honor of hiding it for this latest hunt. Unfortunately, John didn't succeed in hiding the transmitter far enough away from the signal-sucking mobile of John Yokoff (K3 America's Funniest Operator). AFO, by dint of shrewd guesswork and clever advance preparation, blundered his way to the hidden site in the remarkable time of 15 minutes. BRB, who was totally crestfallen at this remarkable turn of events, was shocked to the point of speechlessness and found it necessary to relinquish the mike of the hidden transmitter to WA3GSH.

Next on the scene was Doc Baxter, W3YWL, whose tactics were the talk of the hunt. Doc's 10 - meter signal was in the noise most of the evening and was difficult to copy. After the hunt was well under way his signal picked up considerably. By the time BRB had handed the mike over to me, Doc's signal was very readable. Then, something rather remarkable happened. After making the rounds with the other 10 - meter hounds (WA3GIV, W3HLM, K3VLP) I turned it over to Doc. Lo and behold his signal was barely readable with signal strength of about S1. Surely he's far off the mark we thought. But the laugh was on us; five minutes later Doc pulled up at the site! Totally baffled, we asked Doc what happened to his signal. Then we learned that Doc had a separate transmitter with him in the mobile. This other rig must have run a good healthy 50 milliwatts input. Well, Doc sure fooled us on that one. Next time, we'll be ready for him.

Transmitter Hunt (Cont'd.)

All this activity took place behind WQLN, Erie's educational TV station (Ch. 54). Both the 6 - meter and 10 - meter mobile hidden transmitters were parked here. The 6 - meter transmitter was WA3DLS, operated by Dick Comeau. Dick was talking to hounds K3QAY and WA3HRJ. The race to the finish was won by Brownie (K3QAY) with Jim McCray (WA3HRJ) not far behind. I think that it is safe to say that the 6 - meter participants were less than pleased with the 6 - meter turnout. Next time should prove to be better due to more advance publicity.

The fellas and gals that did attend the hunt were treated to a tour of WQLN's facilities. Dick Comeau (WA3DLS) was our guide and explained the essential station operation to those assembled. The tour was quite worthwhile and was enjoyable. Coffee and donuts were also provided. A big dip of the finals to Dick Comeau, John Gebler and WQLN for a most enjoyable transmitter hunt. It's too bad more people hadn't been at the hunt to join in on the evening's festivities. Hope more of you can come next time. SEE YOU THERE!

TRANSMITTER HUNT SCHEDULE SET.....de WA3GSH.....

NOW HEAR THIS: TRANSMITTER HUNTS ARE NOW GOING TO BE HELD ON A REGULAR BASIS ON THE 3rd Sunday OF EACH MONTH. NEXT HUNT IS SEPT. 21, 1969.

HOPE TO SEE YOU ALL THERE. WHO KNOWS WHAT WILL BE IN STORE THIS TIME ---- COME AND SEE FOR YOURSELF!

SEPTEMBER

CALENDAR

SUN EVERY SUN- DAY LEEN 29.150MHz 8:00PM LOCAL TIME.	MON 1	TUE 2	WED 3	THU 4 RAE MEETING	FRI 5	SAT 6
TRI-STATE EVERY SUNDAY 9:00PM LOCAL TIME	7	8	9	10	11	12 BEGIN WML @2200 GMT HOSPITAL ANT. PARTY
VHF QSO 14 PARTY	15	16	17	RAE BUSINESS & ENTERTAIN- MENT.	19	20
HIDDEN XMITTER HUNT 20	22	23	24	25	26	VE/W 27 CONTEST
W/VE 28 TEST 02	29	30	OCTOBER 1	2	3	COUNTY EXPEDITION
FOREST COUNTY 5	6	COMING HAMFEST 11/8				

ACTIVITIES:

- At the Thursday, September 18th club meeting there will be an abbreviated business meeting with a film presentation to follow. Come to the meeting.... enjoy a few eyeball QSO'S and have some refreshments from our coffee urn or new refrigerator! The basement of the Red Cross Chapter House may be the same old place but the meeting room has changed its appearance (we took down the misspelled civil defense sign) and we now have a "brand X" refrigerator to boot! 73'S K3HSM
- Rare DX de WA3HSR, Mike Hall

Attention County Hunters!

Through its continuing efforts, the Radio Association is planning an expedition to "Rare DX", Forest County. As most certificate hunters know, Forest County is one of about four (4) Pennsylvania Counties in which no hams reside. Permission was requested and has been received by the Chief Forest Ranger to set up during the month of October. He sent a list of seven (7) sites favorable for operating and has instructed the rangers at each site to lend whatever assistance they can offer. Latest word is that the County

(ACTIVITIES - Cont'd.)

Expedition will take place at "Ministers Creek" in Forest County on October 4th and 5th. Word is now being passed to the Certificate Hunter's Net and published in their newsletter. All of them seem very enthused and promise to keep us busy with QSO's. The whole project has been coordinated by RAE President Mr. George Dickey, K3VLP who says that if this year's expedition is successful, local hams can look forward to a similar one next year. Support your RAE Spread the Word !!

(We need operators contact K3VLP, 833-7082
1632 Woodside Dr.
Erie, Pa. 16505

3. WML (Worked Most Locals) Contest de K3AF0

ATTENTION!! All Erie County Radio Amateurs will have an equal chance to win some fabulous prizes and awards in the WML (Worked Most Locals) Contest.

Objective to see how many of your fellow local amateurs you can contact and confirm in a specified time.

Starts: 2200 GMT Friday, September 12, 1969

Ends: 0500 GMT Monday, October 20, 1969

Four separate awards will be given for the following classes:

- 1) Above 50 MHZ (QSO's between Erie County Amateurs only).
- 2) Below 50 MHZ (QSO's between Erie County Amateurs only).
- 3) Novice Class (QSO's between Erie County Novices only).
- 4) Station outside of Erie County who contacts the most Erie County Amateurs (all bands and modes).

Rules:

- 1) Each station can only be eligible for one prize.
- 2) QSO's can be made in any mode allowed by FCC according to class of license and frequencies used.
- 3) Each QSO must be a minimum of 10 minutes.
- 4) Written confirmation of each contact will be required. All confirmations must be submitted to the WML Committee, post marked no later than midnight Oct. 28, 1969. Mail confirmations to Mr. John Gebler, RAE. P.O. Box 844, Erie, Pa. 16512

Winners will be announced at the November 8 Hamfest and all awards and prizes will be presented at this time. All confirmations will be returned to contest applicants after judging is completed.

Get to know your fellow ham in Erie County Enter the WML Contest Good Luck !

4. RAE Hamfest de K3AFO

The RAE hamfest will be held November 8, 1969 at the Sunset Inn, 1990 Lakeside Dr., Erie, Pa. Starting time will be at 7:00 p.m. (local time), with dinner at 8:00 p.m. All specifics of this upcoming Hamfest along with reservation forms will appear in the October QUA-RAE. Stations (fixed) will be operated from the Inn with talk-in on 10 and 6 meters. There is something planned for everyone!! Special program planned with cocktail hour, speakers, displays, prizes (special grand prize!). Winners of the WML contest will be announced and all trophies and awards will be presented in the four (4) classes. Here's a good chance to take out the XYL (or YL) and have an exciting and enjoyable evening, with plenty of entertainment, a chance at some valuable prizes and of course to renew old acquaintances. Don't Forget! Mark it on your calendar! You can't afford to miss the most exciting hamfest you ever attended.
November 8, 1969 - Saturday

Civil Defense Operations de W3KPM

An eight (8) week course entitled: "Civil Defense Operations" is being offered free of charge to all local amateur radio operators. The course will begin on September 17 and conclude on November 5, 1969. It will be held in Room 300, Municipal Bldg., 7th and State every Wednesday 7 to 10 p.m. (local time). The course will include the following:

- a) Planning for emergencies
- b) Concept of C.D. Operations in Pennsylvania
- c) Organization and Mobilization of C.D.
- d) Operations during Natural Disasters
- e) Maintaining government operations in Fallout Conditions.

All instructional material along with course will be free of charge.

Field Day de McDowell High School Radio Club (WA3HSR)

Well, folks the 1969 "Field Day" exercises are over, and those operators who lived merely for the pleasure of a good night's sleep on Sunday, have nothing left to live for. Or do they? You'll find all of them busily planning for next year. This year, the turn-out was better than ever. The Radio Association of Erie participated at their usual site on Rt. 86 and undoubtedly racked up a good score. Using SWAN equipment on the bands and a 10KW generator to keep the multipliers high. The McDowell High School Radio Club's first try at the fun was almost thwarted by the city of Erie as they shut off the power to Zuck Park only three days before "Field-Day"; but thanks to a couple of sympathetic parents (namely mine), they were able to use the home of Mike Hall for their activities. Running a SSB station on 40 and one also on 20, they were busily trying to rack up a few QSO's, and can hardly wait until the November issue of QST comes out to see how they stacked up against some experienced clubs. Both clubs can thank the weatherman for coming through with a beautiful weekend for the activity.

Silent Key ... Herbert Hoover, Jr. W6ZH at the age of 65, was one of amateur radios staunchest supports. President of ARRL 1962 to 1966. He brought to amateur radio dignity and reason which only statesmen seem to have. Amateur radio mourns him.

It's rumored that there may be some possible modifications of the second installment of the "incentive licensing" on November 22, 1969.

"The big squeeze" There will be 200 NETS squeezed into 100 KC's on 75 meters (3901 to 4,000 KC) after phase 2 on incentive licensing goes into effect (If it does?) The Lake Erie Emergency Net (29,150 KC) will not be effected as 10 meters remains untouched by incentive licensing. All public service nets and most functions are being removed from those portions of the amateur bands restricted to extras and advanced.

RAE Radio Association of Erie meets the 1st and 3rd Thursday of each month. Meetings start at 8:00 p.m. and are held at the Red Cross Building, 6th and Sassafrass St. Erie, Pa. Come to the meetings on September 4 and 18 and see the "new look".

DXing de K3AFO

1. JD1 Ogasawara Islands (formerly known as Bonin and Volcano Islands) and Minami Torishima (Marcus Island) have been retroceded to Japan by the USA (their ex-prefixes were KG6I and KAI). They were active over the 10th All Asian DX contest (August 29 to 31).
2. EA9 Ifni has been deleted from the ARRL Countries list as of May 13, 1969. Ifni is now part of Morocco, CN8.
3. A good chance to work some 4S7's and VU's (Ceylon and India) ... VU/4S7 C.W. DX contest on September 20, and 21, RST plus progressive 3 figure QSO number (all bands).
4. 4LØCR Leo located on a raft somewhere on a Soviet River. Heard in early morning on 20 meter SSB.
5. KAI Iwo Jima, KAIØ will operate 10, 15, 20 meter SSB/CW and 40 meter CW September 21 through 26. Operation will be by KA9RC.
6. 9L2 Banana Island, during the weekend of March 23-24 the Free-town Radio Club of Sierra Leone went to Banana Island for a small DXpedition - 90% of the DX stations sent QSL's but only about 15% of the U.S. Stations. If anyone who worked this station is interested in a 9L2, QSL card, send S.A.S.E. to K4MQG.

DXing (cont'd)

7. Gus Browning has abandoned his Indian Ocean Expedition (his captain is still missing at sea) and has returned to his home, stateside.
8. During 1970, VK stations may use the prefix AX, if they wish to celebrate the 200th year anniversary of Captain Cook's landing.
9. ZL1AAT/K Kermadec Island will be active during mid October for at least 12 months. His (Roy Swain ZL2ANX) frequencies will be: 3505, 7005, 14050, 21050 and 28050. All QSL's to ZL2AFZ.

What is a DXer? He must be realistic and know just how far he can go before the XYL starts threatening to go home to mother!

DX Strays ... K3HSM reports good signals from New Guinea on 40 meters.
W3BBO reports finally working YA2HWI in Kabul Afghanistan on 20 CW.
K3QJE enjoys the wee hours of the morning for chasing DX.
K3AFO worked his first Rio De Oro (Spanish Sahara) station during end of August on 15 meters.
K3HWR getting in on some of the early openings on 10 meters.

SSB (Sale, Swap or Buy) de K3AFO

1. a) WRL SB-175 xtal controlled xmtr. 175 watts SSB, also A.M., tele-type, and CW 10 thru 80 mtrs, includes power supply -- all in excellent condition for \$75.00.
- b) Homebrew 200 watt xmtr with pwr supply and modulator. Fair condition \$50.00
- c) 60 watt xmtr with pwr supply \$15.00 (good for parts)
- d) 811A electron tubes 2 for \$5.00 (brand new!)
- e) PL-4D21 electron tubes \$10.00 (new)
- f) Knight T-60 xmtr 6-80 meters; AM, CW. good condition \$40.00.
- g) Hallicrafters SX-99 communications receiver with matching speaker -- \$75.00
- h) Heathkit V-7A VTVM - \$20.00
- i) Simpson milliammeter \$4.50 (square), surplus \$3.50 (round)

For any of the above gear contact: W3NXX, John Kozak
 Erie Electronic Supply
 1835 W. 26th St.
 Erie, Pa.

Remember, tell him you saw it in the QUA-RAE!

SSB (cont'd)

2. Viking Challenger, priced under \$60.00. Contact K3HSM - 8648030.
3. Ampeg Guitar Amplifier with two 15" Bass Speakers (stands 5 feet high). A great deal for \$325.00/or best offer) -- Call 833-1423.

Strays de K3AFO

- WA3GIV Fred Tate recently returned from a vacation trip to the West Coast. Fred can be heard occassionally from his powerful little 10 meter mobile. Fred would like to see a little more 10 mtr activity locally so he has somebody to talk to from his mobile.
- K3PAJ Frank Schubeck has increased the net secretaries salary from 10,000 to 12,000 dollars (hi, hi)
- W3PJD James Currie can be heard chasing the JA's early Saturday mornings on 15 meter SSB.
- W3WS (W3NMP) Cass Jackson sporting his new two letter call.
- WA3FFD Jim Rose uses CKLW Detroit/Windsor for up to date weather heading toward Erie. Jim says its more accurate than listening to Erie forecasters.
- WA3HJC Lee Robinson, will report on Oct. 19 to the Great Lakes Training Camp for basic training. Lee was accepted by the U.S. Navy in June. We all wish him well.
- W3WBA Willie Manola here is a question asked by many -- "when the heck are you going to have that mini-quad ready?" (been waiting over 2 years).
- FLASH All the new RAE officers are listed in August QST
- K3PCI John Wagner, active on 10 meter A.M. hopes that 10 meters will pep up for local QSO's during the evenings as it was some 7 to 8 years ago (I think too many hams just listen and don't bother to transmit, lets hear some of you call CQ)!
- K3VLP George Dickey, is getting his quad ready for the DX season on 10 meters (better hurry George!)
- K3KRA Gary Kostek, didn't quite make it as net control on August 10th for the Lake Erie Emergency net. Seems Gary had a flat tire on his way home to turn on the rig. Gary's dad K3LIG, Ed, checked Gary in while Gary was fixing the flat!
- K3OFA Bob Hewett, is going to tie the knot soon. Good luck Bob.
- WA3LSY Rich Robishaw attending DeVry Institute of Technology in Chicago.

Strays (cont'd)

- W3GJY John F. Wojkiewicz 1400 Chaplin St., Conway, Pa. 15207 is Section Communications Manager (SCM) of the ARRL for this area. Why not drop John a line from time to time?
- K3QAY Powell Brown, located the 6 meter hidden transmitter during the "hunt" on August 17th.
- K3QIP Dennis Bandecca is anxiously awaiting his new SX-146 receiver to match his HT-46 xmtr (He finally gave up on his HRO-50)
- WA3DLS Dick Comeau, gave all the participants in the 10 and 6 meter transmitter hunt on August 17th a grand tour of WQLN Educational TV station. Our thanks go to Dick for providing such an entertaining evening along with of course W3BRB who hid the 10 meter xmtr under the 750 foot tower!!
- K3OSU Carl, made a trip to Philly on August 8. Carl explains -- "After all my bragging of the 6 meter activity in Philadelphia, I can boast an amazing two contacts during my stay, so 6 meters in Erie, don't feel bad!!" There's a possibility that we all may hear Carl on forty meters in the near future (knock on wood!)
- WA3JAT Jim Berry, is attending Behrend and majoring in electrical engineering. You'll probably be hearing Jim operating from the club station at Behrend.
- W3DJA Joe Spiteri -- what ever happened to the pioneer of 6, 2, and 1½ meters in Erie? Can the "big gun" be reactivated? Is it true what they say about the big tube on his front lawn?
- WA3DJT Jack Baer is once again sailing the Great Lakes. Look for Jack on 10 meter A.M. when he returns home (every 10 days).
- WA3DPI Louis Radaker solved his problem in the HA-460 (A bad oscillator). After changing tubes he instantly worked a Georgia Station on 6 meters!
- K3UIK Bill reported working Michigan, Illinois and Canada via the Perseids Meteor Showers on August 13th. Numerous contacts reported on 10, 6 and 2 meters by area hams using the ionization trails of the meteors for skipping their signals.
- W3QN Ken Lloyd is very active on 40 meters and enjoys DXing on 10 and 15 meters when the bands open up. Ken is a real credit to all the Erie area amateurs.
- WA8CYD Reverend Bob is now in Elwood City, Pa. Anyone know his new call?
- W3JTF Larry Herman can be heard working W3MOP (General Electric Amateur Radio Station) regularly on 6 meters (WA3GSH, operator)

Strays (cont'd)

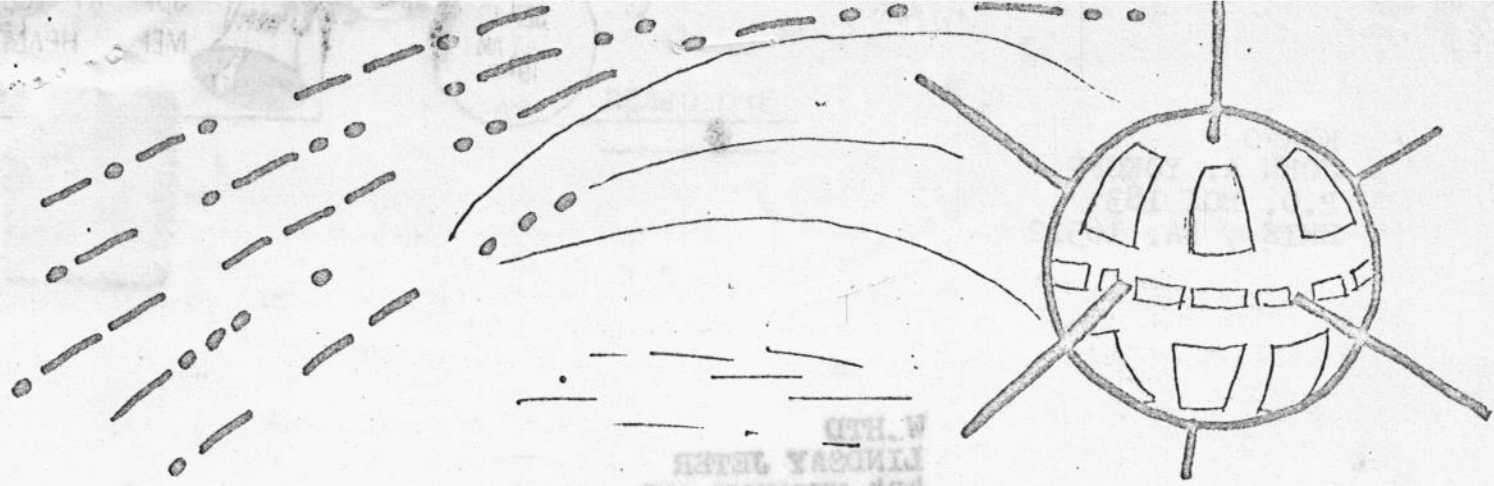
- WA3HDK Bob B. has been busy this summer on his 1,001 different projects. The largest of these projects is his mobile weather protecting facility (garage)
- K3IOX Bob Herman is now in Salem, Virginia. His new call is K4CAN. Bob operates 6 meter SSB and is looking for Erie.
- W3VNC Bud Trask can be heard portable 4 from his hardware store in Florida on 10 meters.
- WA3BBV Steve Brzezinski was active during the "Perseids", making QSO's on 2 meters.
- W3LKJ George Roschy can be heard daily at 2000 EDST checking into the Eye Bank Network.
- W3SN Bart Geer will be starting code classes at the YMCA (downtown) on September 11, 1969. Bart says he is looking for an assistant. Any volunteers?
- K3AFO John Yokoff made it 209 with FL8HM in Djibouti, French Somaliland on 20 mtr CW. John hopes to work 300 countries by next Spring (look out 10 meters)!
- K3QWZ Glen Vest got rid of an unstable oscillator by eliminating a little dust from his xmtr.
- W3BRB John Gebler, will be going back to work in September after a long summer (or was it short?). John recently obtained his Masters Degree. The old scholar plans to bark loud on 10 meters this Fall and Winter with his new antenna system.

Summing it Up de K3AFO

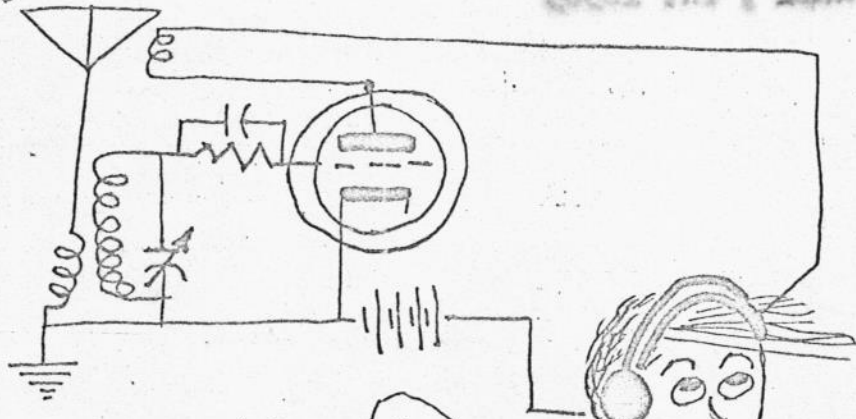
We are all still trying to reach for the ultimate QUA-RAE issue. Each month we hope to improve until we can satisfy almost everyone. There's lots of excitement in the air with the big WML contest coming up, the County Expedition being planned, the "new look" at the RAE meetings and of course the Nov. 8th Hamfest which should be the greatest ever held in this area. We hope you all plan to take part in all these activities. Thanks for all the favorable comments on QUA-RAE and news submitted by many area amateurs. Keep it up!

The assistant editors worked hard getting out this issue and they pledge to even work harder for you in the future. All our thanks goes to the General Electric Company for assisting us in this issue of QUA-RAE. Bonnie Zaczek developed numb fingers typing this issue so we plan to give her a months vacation (until the next issue of QUA-RAE). Keep the news coming and best 73's from the QUA-RAE Staff.

73's
K3AFO



W. H. W.
LINDSEY JETTER
354 VERMONT AVE.
BURLINGTON, VT. 05401



Instructions & Equipment
Provided By
**RADIO ASSOCIATION
OF ERIE**

No CHARGES MADE

YMCA RADIO CLASSES

Starting SEPTEMBER 11, 1969
running to DECEMBER 18, 1969

INSTRUCTIONS IN RADIO CODE AND THEORY AS
NEEDED FOR NOVICE & TECHNICIAN LICENSES.

AT
DOWNTOWN Y.M.C.A.
2nd FLOOR
Every Thursday Night
from 7⁰⁰ to 9⁰⁰ P.M.

K3AFO
JOHN A. YOKOFF
P.O. BOX 183
ERIE, PA. 16512

3rd CLASS

SEP 10
AM
1969
PA.



W.LHTD
LINDSAY JETER
434 VERMONT AVE.
ERIE, PA. 16505